

11.MPE ESTIMATION

11.1.Limit for General Population/ Uncontrolled Exposures

Frequency	Power density (mW/ cm ²)	Averaging time(minutes)
300MHz----1.5GHz	F/1500	30
1.5GHz---100GHz	1.0	30

Frequency(MHz)	Power density (mW/ cm ²)	Averaging time(minutes)
2412	1	30
2437	1	30
2462	1	30

Note: F= Frequency in MHz Estimation Result

EUT: 2.4GHz 150Mbps High Power Wireless Access Point		
M/N: TL-WA7110ND		
Test date: 2014-05-01	Pressure: 101.1±1.0 kpa	Humidity: 52.5±3.0%
Tested by: Leo-Li	Test site: RF site	Temperature:22.5±0.6 °C

Cable loss: 1 dB		Attenuator loss: 20 dB				Antenna Gain: 5dBi	
Test Mode	CH	Frequency (MHz)	Peak Output Power (dBm)	Output Power (mW)	Antenna Gain (dBi)	Antenna Gain (Linear)	MPE
11b	CH1	2412	21.32	135.52	5	3.16	0.0853
	CH6	2437	23.95	248.31	5	3.16	0.1563
	CH11	2462	23.65	231.74	5	3.16	0.1459
11g	CH1	2412	21.76	149.97	5	3.16	0.0944
	CH6	2437	24.32	270.40	5	3.16	0.1702
	CH11	2462	22.34	171.40	5	3.16	0.1079
11n HT20	CH1	2412	20.90	123.03	5	3.16	0.0774
	CH6	2437	22.80	190.55	5	3.16	0.1199
	CH11	2462	20.12	102.80	5	3.16	0.0647
11n HT40	CH1	2422	19.76	94.62	5	3.16	0.0596
	CH4	2437	26.72	469.89	5	3.16	0.2958
	CH7	2452	19.76	94.62	5	3.16	0.0596

Note: $MPE = PG / 4 \pi R^2$ (R:20cm)